DATA SHEET

AMILO NOTEBOOK PA 3553

The perfect all-round notebook

Issue: **April 2009**

The graphic artist: Even the most unwidely 3D applications flit effortlessly across the screen of the superfast, high-performance AMILO Pa 3553 ...

Processor technology
- AMD next-generation mobile dual-core processor technology

Operating System
- Windows Vista® Home Premium

Innovation
- ATI Mobility Radeon™ HD 3470 Hybrid X2 graphics with 256 MB dedicated video RAM for great graphics performance
- ATI Hybrid CrossFireX™ technology enables the onboard graphics chip and the discrete graphics processor to simultaneously work together to boost 3D graphics performance

Reliability
- Spill-proof keyboard to protect your notebook against accidentially spilt liquids: Enough time to shut down the notebook, have the liquid removed from the notebook, protects your investment and your data
- Engineered in Germany means the test center in Germany tests conformity to international standards and customer-specific requirements
- A+ grade LCD panels for better picture quality

Mobility
- Standard 15.4-inch form-factor that fits in almost every bag
- Integrated draft-n Wireless LAN to go online when and wherever you want

Entertainment and multimedia
- The integrated AMILOcam with low-light technology for great video-quality even in low-light conditions and a built-in digital array microphone are perfect for Internet telephony (VoIP) and video chats
- LCD WXGA display with BrilliantView technology for vivid colors, amazing sharpness and impressive contrast
- Enjoy your favorite Hollywood blockbuster on an external display via HDMI (with HDCP support)

More convenience thanks to
- The silent mode function that causes a noticeable reduction in fan noise
- The built-in DVD drive to store and secure data comfortably on the move

Components

Processor	AMD Turion™ X2 Ultra Dual-Core ZM-86 (2.4 GHz, 2 MB, 3.6 GT/s)	
	AMD Turion™ X2 Ultra Dual-Core ZM-82 (2.2 GHz, 2 MB, 3.6 GT/s)	
	AMD Turion™ X2 Ultra Dual-Core ZM-80 (2.1 GHz, 2 MB, 3.6 GT/s)	
	AMD Turion™ X2 Dual-Core RM-72 (2.1 GHz, 1 MB, 3.6 GT/s)	
	AMD Turion™ X2 Dual-Core RM-70 (2.0 GHz, 1 MB, 3.6 GT/s)	
	AMD Sempron™ SI 40 (2.0 GHz, 512 KB, 3.6 GT/s)	
	AMD Athlon™ X2 Dual-Core QL-62 (2.0 GHz, 1 MB, 3.6 GT/s)	
Processor notes	Processor depends on exact configuration. Please check at your local retailer.	
Memory modules		
	4 GB (2 module(s) with 2 GB, DDR2), 800 MHz 3 GB (2 module(s) with 1 GB and 2 GB, DDR2), 800 MHz 2 GB (2 module(s) with 1 GB, DDR2), 800 MHz 2 GB (1 module(s) with 2 GB, DDR2), 800 MHz 1 GB (1 module(s) with 1 GB, DDR2), 800 MHz	
Supported capacity RAM (min.)	1 GB	
Supported capacity RAM (max.)	4 GB	
Memory slots total	2	
Memory slot type	SODIMM (DDR2, 800 MHz)	
Memory notes	Memory size depends on exact configuration. Please check at your local retailer. Disclaimer: Up to 1 GB may not be available with 32-bit operating systems due to system resource requirements if system is preinstalled with 4 GB RAM	
Hard disk drives (internal)	500 GB, 5400 rpm, SATA, 2.5-inch	
	320 GB, 5400 rpm, SATA, 2.5-inch	
	250 GB, 5400 rpm, SATA, 2.5-inch	
	160 GB, 5400 rpm, SATA, 2.5-inch	
Hard disk notes	Hard disk capacity depends on exact configuration. Please check at your local retailer. One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.	
Optical drives		
Optical drive technology	Blu-ray Disc™ drive incl. SuperMulti-format DVD burner with double layer (DL) support	SuperMulti-format DVD burner with double layer (DL) support
Interface type	SATA	SATA
Optical drive read speed	BD 2x, CD-ROM 24x, DVD-ROM 8x	CD-ROM 24x, DVD-ROM 8x
Optical drive write speed	CD-R 16x, CD-RW 10x, DVD+R 8x, DVD-R 8x, DVD+RW 4x, DVD-RW 4x, DVD+R DL (8.5 GB) 4x, DVD-R DL (8.5 GB) 4x, DVD-RAM 5x	CD-R 24x, CD-RW 16x, DVD+R 8x, DVD-R 8x, DVD+RW 8x, DVD-RW 6x, DVD+R DL (8.5 GB) 6x, DVD-R DL (8.5 GB) 6x, DVD-RAM 5x
Optical drive notes	Optical disc type depends on exact configuration. Please check at your local retailer.	
Display		
Display Technology	BrilliantView LCD	
Diagonal Size	15.4-inch	
Aspect ratio	16:10	
Display Resolution type	WXGA	
Resolution (native)	1280 x 800 pixel	
Response time typical	16 ms	
Brightness - typical	200 NIT	
Contrast - typical	400 : 1	
Battery		
Battery type	Li-Ion battery 6-cell	Li-Ion battery 8-cell
Battery voltage	11.1 V	14.8 V
Battery capacity	2200 mAh	2400 mAh
Battery runtime (idle mode)	Up to 1:55 hours	Up to 2:50 hours

Battery		
Battery runtime (DVD playback)	Up to 1:30 hours	Up to 1:55 hours
Battery charging time (idle mode)	Up to 1:15 hours	Up to 1:30 hours
Battery charging time (maximum active mode)	Up to 2:00 hours	Up to 2:40 hours
Battery charging time (normal use)	Up to 1:20 hours	Up to 1:50 hours
Battery charging time (off mode)	Up to 1:40 hours	Up to 1:45 hours
Battery notes	Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time varies depending on usage. The recharge capacity may decrease after some months so that the battery lifetime as well as operating time can not be assured for the whole lifetime of the notebook. Battery runtime (idle mode) tested with Battery Mark 4.0.1 (“power saver mode”). Battery runtime (DVD playback) tested with Vista DVD playback. Battery charging time (maximum active mode) tested with 3DMark 2003. Battery charging time (normal use) tested with Vista DVD playback.	

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Operating system	
Operating system compatible	Genuine Microsoft® Windows Vista® Home Premium (32-bit) Genuine Microsoft® Windows Vista® Home Basic (32-bit)
Recovery application	Backup and restore the original status of the hard disk and create system restore disks or individual recovery media on CD or DVD are included
Drivers	Updates downloadable at http://ts.fujitsu.com/support
Operating system notes	Depending on exact configuration. Please check at your local retailer.

Product design	
Color	Reveal white or eclipse black

General system information	
System architecture	AMD next-generation mobile dual-core processor technology
Chipset	AMD 780G, AMD SB700

Graphics	
Graphics brand name	ATI Mobility Radeon™ HD 3470 Hybrid X2 graphics
Dedicated video memory	256 MB (GDDR2 VRAM)
Onboard graphics processor	ATI Radeon® HD 3200
Shared video memory	up to 1920 MB
3D Benchmark points	Up to 2412 points (3D Mark 2006, depending on configuration)
Max. resolution external display	1920 x 1200 pixel
Graphic features	ATI Hybrid CrossFireX™ technology DirectX® 10.1 support
Graphic notes	ATI Hybrid CrossFireX™ technology is not supported by AMD Sempron™ processors. Shared video memory size may vary depending on configuration and the version of the operating system. The video memory size that is displayed in the system information software, as well as the actually used video memory size depends on Microsoft® Windows Vista® memory management. The following values might serve as orientation. - 1024 MB system memory enables up to 384 MB static and shared memory - 2048 MB system memory enables up to 896 MB static and shared memory - 3072 MB system memory enables up to 1408 MB static and shared memory - 4096 MB system memory enables up to 1920 MB static and shared memory

Interfaces	
DC-in	1
Audio: line-in	1
Audio: line-out / headphones / SPDIF	1
Audio: microphone in	1
Internal microphones	2
USB 2.0 total	2
eSATA & USB combo	1

Interfaces	
VGA	1
HDMI	1 (version 1.3a incl. HDCP)
FireWire (IEEE1394)	1
Ethernet (RJ-45)	1
Memory card slots	1x 15-in-1 card reader (supported formats: SD, miniSD, MicroSD, SDHC, MS, MS-Duo, MMC, RS-MMC, MMC-Micro, MSPRO, MS-PRO Duo, MS-Pro HG, MS-Pro HG Duo, M2, xD picture card)
Express card slots	1 (34/54 mm)
Kensington Lock support	1
Interface notes	Card reader: An adapter is needed for the following card formats: RS-MMC, MMC-Micro, miniSD, MicroSD, SDHC, MS-Duo, MS-PRO Duo, MS-Pro HG, MS-Pro HG Duo, M2

Communication	
LAN type	Gigabit Ethernet (10/100/1000 Mbit/s)
WLAN	Built-in WLAN (Wireless Local Area Network)

WLAN (optional)	
WLAN name	pre-n WLAN (IEEE 802.11b/g/pre-n)
WLAN max. data rate	up to 300 Mbit/s
WLAN encryption	WEP, WPA, WPA2
WLAN notes	For use in: BE, CH, DK, DE, EE, FI, FR, EL, IE, IS, IT, LI, LV, LT, LU, MT, NL, NO, PL, AT, PT, SE, SK, ES, CZ, HU, UK, CY

Audio	
Audio type	On board
Audio codec	Realtek ALC888
Audio features	Support of high-definition audio for S/PDIF output with up to 7.1 channels 2x built-in speakers (1.5 W each) Built-in digital array microphone Sound volume control via function key

AMILOcam	
Camera	VGA webcam
Frame rate	30 per second
Camera features	Auto focus Automatic brightness adjustment with status LED (blue: on, red: streaming / application on) Low-light technology for great video-quality even in dark surrounding
Camera notes	AMILOcam frame rate can vary significantly depending on the used software application.

Input devices / Control buttons	
Power Button	Located left of the keyboard, back-lighted
Keyboard	Spill-proof keyboard
Number of keyboard keys	85
Keyboard notes	The keyboard is spill-proof up to 50ml. This is enough to protect your notebook from an accidental spill. However, we recommend a backup as well as a system shut-down should liquids come into contact with the keyboard. The spill-proof protection does not prevent data loss caused by water damage. If this should happen, please contact your local customer service desk.
Input device(s)	Hidden touchpad, with left and right mouse button, touchpad disable function via function key combination (Fn+F6)
Multimedia keys	Located on top of the keyboard to launch the following applications: Silent mode (reduce noise level / fan speed, by reducing the CPU performance, office applications, Internet and DVD playback are not affected) DVD / multimedia playback Internet browser

Hot keys	
Hot key Fn+F1	WLAN on / off
Hot key Fn+F3	Mute on / off
Hot key Fn+F4	Volume down

Hot keys	
Hot key Fn+F5	Volume up
Hot key Fn+F6	Touchpad on / off
Hot key Fn+F7	AMILOcam on / off
Hot key Fn+F8	Brightness down
Hot key Fn+F9	Brightness up
Hot key Fn+F10	Display switch
Hot key Fn+F11	Silent mode
Hot key Fn+F12	Suspend

Status indicators	
Status indicators	The notebook has 3 status LEDs Power status (& suspend) Blue (always on): on Blue blinking: stand by None: off Battery charge Blue (always on): full Blue blinking: charging Red blinking: ‹ 10 % capacity WLAN Blue: on None: off

Power supply	
AC adapter	20 V / 90 W (4.5 A)
Rated voltage range	110 - 240 V (AC Input)
Rated frequency range	50 - 60 Hz
Battery features	ACPI 3.0 supported; Dynamic charge supported (rapid charge)

Energy consumption	
S0 (idle mode)	21.71 W
S0 (max. active mode)	42.69 W
S3 (stand by / energy saving mode)	0.41 W
S4 (hibernate)	0.01 W
S5 (off mode)	0.01 W
ACPI functions	ACPI 3.0 compliant for Vista requirement Power on stand by (S1 LCD off) Stand by / energy saving mode (S3 save to RAM) Hibernate mode (S4 save to disk) Off mode (S5 soft off)
Energy consumption notes	Maximum active mode (S0) tested with 3DMark 2006

Noise emission	
Idle mode	26.6 dB(A) (silent mode off)
Maximum active mode	33 dB(A) (silent mode off)
Noise notes / description	Tested with QAFE 8.01, sieve.exe and diskload.exe according to ISO 7779 and ISO 9296.

Dimensions / Weight / Environmental	
Dimension (W x D x H)	358 x 259 x 37.5 (front) / 43.5 (back) mm
Weight	Approx. 2.95 kg
Weight notes	Weight may vary depending on actual configuration
Operating ambient temperature	5 - 35°C
Operating relative humidity	10 - 90 % (relative humidity, non-condensing)

Compliance	
Europe	CE Marking R&TTE (WLAN)
Global	RoHS (Restriction of hazardous substances)

Compliance	
Russia	GOST (WLAN)
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx

Application software	
Home office software	Microsoft® Works Microsoft® Office Home and Student Trial Adobe Acrobat Reader Windows Mail (within Vista operating system) Windows Calendar (within Vista operating system)
Multimedia software	Nero Essentials S (CD / DVD write software) Vista DVD Playback Pack (DVD playback software) Windows Media Player (within Vista operating system)
Internet software	Microsoft® Internet Explorer Country specific Internet provider
Security software	Norman security software solution
Additional software (optional)	Windows Media Center (only if system is preinstalled with Windows Vista® Home Premium operating system) CyberLink Power DVD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive)

Security	
Physical security	Kensington Lock support Lid switch (hidden)
User security	User and supervisor password

Warranty	
Warranty	Country specific terms
Service Weblink	www.ts.fujitsu.com/Supportservice

Accessories	
Accessories included	AC adapter 90 W First Battery (6 or 8 cells) Manuals (manual on hard disk, quick start guide, safety guide, warranty guide, recovery guide)
Accessories link	http://ts.fujitsu.com/accessories

Information about environmental care, policies, programs and our Environmental Guideline FSC 03230:
http://ts.fujitsu.com/aboutus
Take back and Recycling information:
http://ts.fujitsu.com/recycling

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